

DUPLICATE

PATENT COOPERATION TREATY
PCT

25 APR 2005
10/532649

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| | | |
|---|---|--|
| Applicant's or agent's file reference A3-0723 PYK | FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below. | |
| International application No. PCT/SG03/00252 | International filing date (<i>day/month/year</i>) 23 October 2003 | (Earliest) Priority Date (<i>day/month/year</i>) 25 October 2002 |
| Applicant AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH et al | | |

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (See Box II).

4. With regard to the **title**, ☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**, ☒ the text is approved as submitted by the applicant

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure

☐ because this figure better characterizes the invention

☒ **None of the figures**

| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|---|--|-----------------------|
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | WO 01/62822 A (CAMBRIDGE DISPLAY TECHNOLOGY LIMITED) 30 August 2001 page 5, line 24 - page 13, line 10; example 1 | 1-21; 22-59 |
| X | US 5712361 A (STERN et l.) 27 January 1998 cols. 4-5 (formula III); claims 1, 4 | 1-21; 22-59 |
| P, X | WO 03/035713 A (CAMBRIDGE DISPLAY TECHNOLOGY LIMITED) 1 May 2003 abstract; page 7, formulae 12, 13; claims 13, 19-22 | 1-21; 22-59 |
| X | DE 19846768 A (AVENTIS RESEARCH & TECHNOLOGIES GMBH & CO KG) 20 April 2000 whole document (see also the corresponding US Patent 6541602) | 1-21; 22-59 |
| X | DE 19846767 A (AVENTIS RESEARCH & TECHNOLOGIES GMBH & CO KG) 20 April 2000 whole document | 1-21; 22-59 |
| X | DE 19846766 A (AVENTIS RESEARCH & TECHNOLOGIES GMBH & CO KG) 20 April 2000 whole document | 1-21; 22-59 |
| X | WO 02/077060 A (COVION ORGANIC SEMICONDUCTORS GMBH) 3 October 2002 page 3, formula II, - page 5, line 8; claim 1 | 1-21; 22-59 |
| X | US 3287321 A (SAMUE C. TEMIN) 22 November 1966 whole document | 1-21; 22-59 |
| X | WO 01/77203 A (UNIAx CORPORATION) 18 October 2001 page 9, line 4 - page 10, line 13; page 12, line 35 - page 13, line 8 | 1-21; 22-59 |

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SG03/00252**A. CLASSIFICATION OF SUBJECT MATTER**Int. Cl. ⁷: C08G 61/10; H05B 33/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C08G 61/10, H05B 33/14; H01L 27/15, 33/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

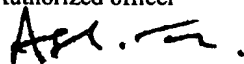
DERWENT: WPAT & JAPIO

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| X | WO 02/066537 A (CAMBRIDGE DISPLAY TECHNOLOGY LIMITED) 29 August 2002 page 20, formulae 12-13; pages 44-45 | 1-21; 22-59 |
| X | US 6255449 A (WOO et al.) 3 July 2001 col. 2, line 4 - col. 7, line 42; col. 9, lines 1-60; col. 13, line 28 - col. 17, line 8; examples 12-28; claims) | 1-21; 22-59 |
| X | WO 02/26859 A (CAMBRIDGE DISPLAY TECHNOLOGY LIMITED) 4 April 2002 page 16, lines 1-15; examples 4-5 | 1-21; 22-59 |

☒ Further documents are listed in the continuation of Box C☒ See patent family annex

| | |
|---|--|
| * Special categories of cited documents: | |
| "A" document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| "E" earlier application or patent but published on or after the international filing date | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "O" document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family |
| "P" document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search
4 December 2003Date of mailing of the international search report
10 DEC 2003Name and mailing address of the ISA/AU
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SG03/00252

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in Search Report | | Patent Family Member | | | |
|---|----------|----------------------|------------|----|------------|
| WO | 02066537 | NONE | | | |
| US | 6255449 | CN | 1192223 | CN | 1376658 |
| | | EP | 0988337 | US | 5708130 |
| | | US | 6169163 | US | 6255447 |
| | | US | 6362310 | US | 6512083 |
| | | US | 2001026878 | US | 2001053842 |
| | | WO | 9705184 | WO | 9954385 |
| WO | 0226859 | AU | 87939/01 | EP | 1322692 |
| WO | 0162822 | AU | 23850/01 | AU | 26900/01 |
| | | AU | 31777/00 | AU | 35773/01 |
| | | AU | 37618/01 | CA | 2367388 |
| | | EP | 1169741 | EP | 1244723 |
| | | EP | 1257611 | EP | 1263834 |
| | | US | 2001037012 | US | 2003153725 |
| | | US | 2003194577 | WO | 0055927 |
| | | WO | 0149769 | WO | 0162869 |
| | | WO | 9948160 | WO | 0166618 |
| US | 5712361 | CN | 1124256 | DE | 4422670 |
| | | JP | 8053537 | EP | 0690086 |
| WO | 03035713 | NONE | | | |
| DE | 19846768 | AU | 58574/99 | EP | 1123337 |
| | | WO | 0022027 | US | 6541602 |
| DE | 19846767 | NONE | | | |
| DE | 19846766 | AU | 57436/99 | EP | 1123336 |
| | | | | WO | 0022026 |
| WO | 02077060 | NONE | | | |
| US | 3287321 | GB | 924530 | | |
| WO | 0177203 | CA | 2403480 | EP | 1274760 |
| | | | | US | 2003023029 |
| END OF ANNEX | | | | | |